Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/09/2017 10:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124331	-1	1.50	124214	1.52
Blue	F	SSC	125000	123196	-2	2.64	123617	2.49
Blue	E	FITC	23355	22790	-3	2.31	1014	10.36
Blue	D	PE	28848	28433	-2	1.86	1022	10.09
Blue	B	PerCP-Cy5-5	47791	47035	-2	3.30	1354	16.66
Blue	A	PE-Cy7	41358	40765	-2	5.00	631	36.06
Red	C	APC	51316	51045	-1	2.79	2952	9.34
Red	A	APC-Cy7	53225	52111	-3	2.87	1075	11.21
Violet	B	V450	14473	13925	-4	5.78	668	9.85
Violet	A	V500	59973	58733	-3	5.69	2600	7.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20134	5.33	613	15	N/A	N/A	Pass
Blue	F	SSC	61434	1.57	542	8	N/A	N/A	Pass
Blue	E	FITC	116	38.31	547	3	0.0201	142	Pass
Blue	D	PE	225	29.31	542	4	0.1466	219	Pass
Blue	B	PerCP-Cy5-5	211	45.12	633	3	0.0105	125	Pass
Blue	A	PE-Cy7	70	115.31	684	3	0.0114	8	Pass
Red	C	APC	345	27.00	593	-1	0.0208	52	Pass
Red	A	APC-Cy7	119	41.34	573	-3	0.0057	1961	Pass
Violet	B	V450	80	43.04	470	-1	0.0492	2162	Pass
Violet	A	V500	188	23.23	501	0	0.0146	456	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/09/2017 10:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.88	-31.26	0.87
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	17.11	13.27 - 19.91	N/A	N/A	31.31	31.85	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11091

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments